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Application Number 10/511931

Response to the Final Office Action mailed July 31, 2009

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1- 62. (Cancelled)

63. (Currently Amended) An optical information recording method for recording information onto an optical information recording medium at a plurality of recording densities, the method comprising:

a recording pulse correction step of correcting a predetermined number of elements to be corrected in order to form a recording mark in a predetermined position;

wherein in the recording pulse correction step, the number of elements to be corrected is changed depending on the respective densities ~~a recording density of the optical information recording medium.~~

64. (Previously Presented) The optical information recording method according to claim 69, the first recording density is higher than the second recording density, and the second number of elements is smaller than the first number of elements.

65. (Currently Amended) An optical information recording apparatus that records information onto an optical information recording medium at a plurality of recording densities, the apparatus comprising:

a recording pulse correction means for correcting a predetermined number of elements to be corrected, in order to form a recording mark in a predetermined position;

wherein the recording pulse correction means differentiates a number of elements, which is the number of elements to be corrected, according to the respective recording densities ~~a recording density of the optical information recording medium.~~

66. (Previously Presented) The optical information recording apparatus according to claim 70, the first recording density is higher than the second recording density, and the second number of elements is smaller than the first number of elements.

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67. (Previously Presented) An information recording medium onto which data are recorded by recording a mark by the optical information recording method according to claim 63.

68. (Previously Presented) A reproduction method comprising:  
reproducing data by reading a mark recorded on a recording medium by the optical information recording method according to claim 63.

69. (Previously Presented) The optical information recording method according to claim 63, wherein the method comprises performing recording at least at a first recording density and a second recording density that is different from the first recording density, and

in the recording pulse correction step, a first number of elements, which is the number of the elements to be corrected when recording at the first recording density, is different from a second number of elements, which is the number of the elements to be corrected when recording at the second recording density.

70. (Previously Presented) The optical information recording apparatus according to claim 65, wherein the apparatus performs recording at least at a first recording density and a second recording density that is different from the first recording density, and

the recording pulse correction means changes a first number of elements, which is the number of the elements to be corrected when recording at the first recording density, from a second number of elements, which is the number of the elements to be corrected when recording at the second recording density.